40 PIN SMD ETHERNET 10/100 BASE QUAD PORT TRANSFORMER

P/N: 40ST1041H DATA SHEET

Feature

- IEEE 802.3 Ethernet compatible
- 100 Base-TX Surface mountable
- Design for multiport repeater and Ethernet switching HUB application
- Customer designs available for specific application
- Operating temperature range : 0℃ to +70℃.
- Storage temperature range: -25℃to +125℃.

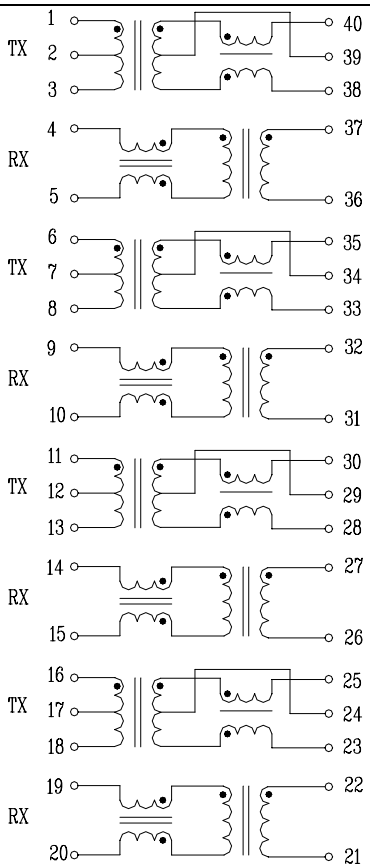
Electrical Specifications @ 25°C

Part Number	Turns Ratio (±5%)		OCL(μH Min) @100KHz/0.1Vrms 8mA DC/Bias	L.L (μH Max)	Cw/w (pF Max)	Isolation voltage (Vrms)	Rise Time (nS Typ)
	TX	RX					
40ST1041H	1CT:1CT	1:1	350	0.4	28	1500	2.5

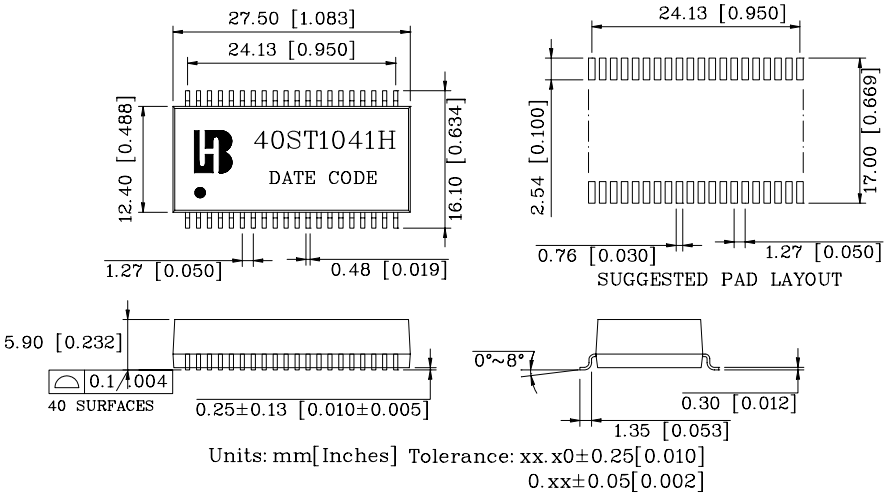
Continue

Part Number	Insertion Loss (dB Max)	Return Loss (dB Min)			Cross talk (dB Min)	DCMR (dB Min)	
	0.3–100MHz	0.3-30MHz	30-60MHz	60-80MHz	0.3-100MHz	1-60 MHz	60-200 MHz
40ST1041H	-1.15	-16	-12	-10	-38	-37	-25

Schematic



Mechanical



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